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Facsimile: (703) 872-9306**From:** Gregory P. Einhorn**Date:** October 1, 2004

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Comments:

Attorney Docket: 564462005812 / 105004 / D1490-4US
 Group Art Unit: 1645
 Examiner: T. K. Field
 Serial No.: 10/034,623
 Filing Date: December 21, 2001
 Inventor(s): Ronald V. SWANSON et al.
 Title: NUCLEIC ACIDS AND PROTEINS FROM CENARCHAEUM SYMBIOSUM

Papers attached:

1. Transmittal Form (1 page)
2. Fee Transmittal (1 page + duplicate for fee processing)
3. Petition for 2-month Extension (1 page)
4. Response to Restriction Requirement and Preliminary Amendment (7 pages)

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PTO/SB/21 (04-04)

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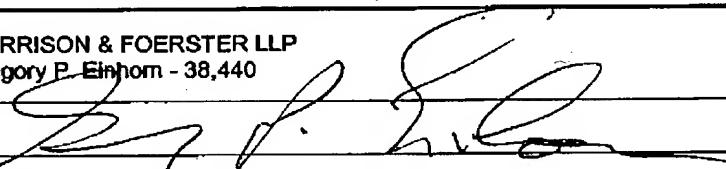
		Application Number	10/034,623
		Filing Date	December 21, 2001
		First Named Inventor	Ronald V. SWANSON
		Art Unit	1645
		Examiner Name	T. K. Field
Total Number of Pages In This Submission	12	Attorney Docket Number	564462005812/105004/D1490-4US

ENCLOSURES (Check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form (1 page + duplicate)	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance communication to Technology Center (TC)
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input checked="" type="checkbox"/> Amendment/Reply (7 pages)	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavit/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Status Letter
<input checked="" type="checkbox"/> Extension of Time Request (1 page)	<input type="checkbox"/> Terminal Disclaimer	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
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<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Certified Copy of Priority Document(s)		
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		
Remarks		

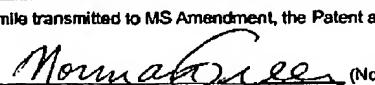
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	MORRISON & FOERSTER LLP Gregory P. Einhorn - 38,440
Signature	
Date	October 1, 2004

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Dated: October 1, 2004

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PTO/SB/17 (10-03)

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FEE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 360.00)

Complete If Known	
Application Number	10/034,623
Filing Date	December 21, 2001
First Named Inventor	Ronald V. SWANSON
Examiner Name	T. K. Field
Art Unit	1645
Attorney Docket No.	564462005812/105004/D1490-4US

METHOD OF PAYMENT (check all that apply)

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 Deposit Account:Deposit Account Number **03-1952**Deposit Account Name **Morrison & Foerster LLP**

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FEE CALCULATION

1. BASIC FILING FEE

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1001	790	2001	395	Utility filing fee	
1002	350	2002	175	Design filing fee	
1003	550	2003	275	Plant filing fee	
1004	790	2004	395	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	

SUBTOTAL (1) (\$ 0.00)

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	-20* =	Extra Claims	Fee from below	Fee Paid
8	-20* =	0	x	0.00
Independent Claims 4	-4** =	0	x	0.00
Multiple Dependent		145.00	=	145.00

Large Entity	Small Entity	Fee Description	
Fee Code	Fee (\$)	Fee Code	
1202	18	2202	9 Claims in excess of 20
1201	88	2201	44 Independent claims in excess of 3
1203	290	2203	145 Multiple dependent claim, if not paid
1204	88	2204	44 ** Reissue independent claims over original patent
1205	18	2205	9 ** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ 145.00)

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3. ADDITIONAL FEES

Large Entity Fee Code	Small Entity Fee Code	Fee (\$)	Fee Description	Fee Paid
1051	2061	65	Surcharge - late filing fee or oath	
1052	2052	25	Surcharge - late provisional filing fee or cover sheet	
1053	1053	130	Non-English specification	
1612	1812	2,520	For filing a request for ex parte reexamination	
1804	1804	820*	Requesting publication of SIR prior to Examiner action	
1805	1805	1,840*	Requesting publication of SIR after Examiner action	
1251	2251	55	Extension for reply within first month	
1252	2252	215	Extension for reply within second month	215.00
1253	2253	490	Extension for reply within third month	
1254	2254	765	Extension for reply within fourth month	
1255	2255	1,040	Extension for reply within fifth month	
1401	2401	165	Notice of Appeal	
1402	2402	165	Filing a brief in support of an appeal	
1403	2403	145	Request for oral hearing	
1451	1451	1,510	Petition to institute a public use proceeding	
1452	2452	55	Petition to revive - unavoidable	
1453	2453	685	Petition to revive - unintentional	
1501	2501	685	Utility issue fee (or reissue)	
1502	2502	245	Design issue fee	
1503	2503	330	Plant issue fee	
1460	1460	130	Petitions to the Commissioner	
1807	1807	50	Processing fee under 37 CFR 1.17(q)	
1808	1808	180	Submission of Information Disclosure Stmt	
8021	8021	40	Recording each patent assignment per property (times number of properties)	
1809	2809	395	Filing a submission after final rejection (37 CFR 1.129(a))	
1810	2810	395	For each additional invention to be examined (37 CFR 1.129(b))	
1801	2801	395	Request for Continued Examination (RCE)	
1802	1802	900	Request for expedited examination of a design application	
Other fee (specify)				

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 215.00)

(Complete if applicable)

Name (Print/Type)	Gregory P. Einhorn	Registration No. (Attorney/Agent)	38,440	Telephone	(858) 720-5133
Signature				Date	October 1, 2004

PTO/SB/17 (10-03)

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Art Unit	1645
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 Deposit Account:Deposit Account Number **03-1952**Deposit Account Name **Morrison & Foerster LLP**

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Independent Claims 4	-4** =	0 x 0.00	= 0.00
Multiple Dependent		145.00	= 145.00

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code (9)	Fee Code (9)	Fee Description	Fee Paid
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1201	88	2201 44 Independent claims in excess of 3	
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SUBTOTAL (2) (\$ 145.00)

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FEE CALCULATION (continued)

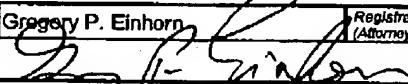
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1453	1,370	2453 685 Petition to revive - unintentional	
1501	1,370	2501 685 Utility issue fee (or reissue)	
1502	490	2502 245 Design issue fee	
1503	680	2503 330 Plant issue fee	
1480	130	1460 130 Petitions to the Commissioner	
1807	50	1807 50 Processing fee under 37 CFR 1.17(q)	
1806	180	1806 180 Submission of Information Disclosure Stmt	
8021	40	8021 40 Recording each patient assignment per property (times number of properties)	
1609	790	2809 395 Filing a submission after final rejection (37 CFR 1.129(a))	
1610	790	2810 395 For each additional invention to be examined (37 CFR 1.129(b))	
1601	790	2801 395 Request for Continued Examination (RCE)	
1602	900	1802 900 Request for expedited examination of a design application	
Other fee (specify)			

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SUBTOTAL (3) (\$ 215.00)

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Name (Print/Type)	Gregory P. Einhorn	Registration No. (Attorney/Agent)	38,440	Telephone	(858) 720-5133
Signature					
		Date	October 1, 2004		

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